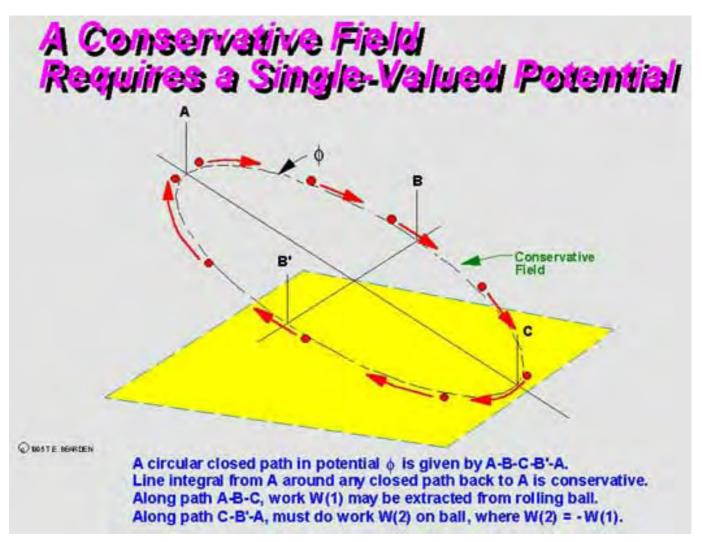
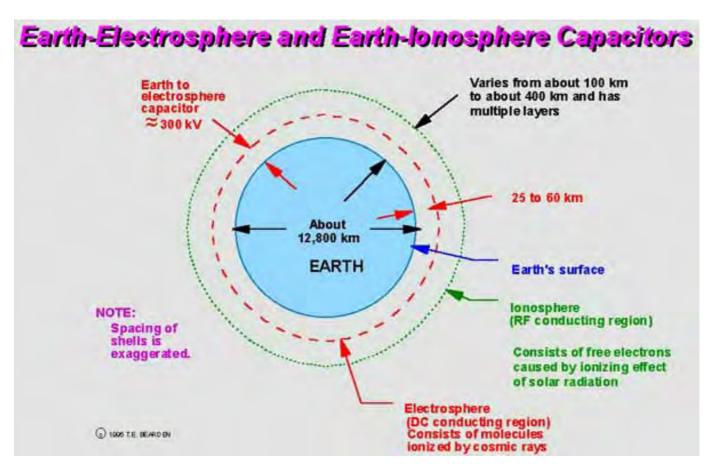
The Tom Bearden Website

Energy, Observations and Comments

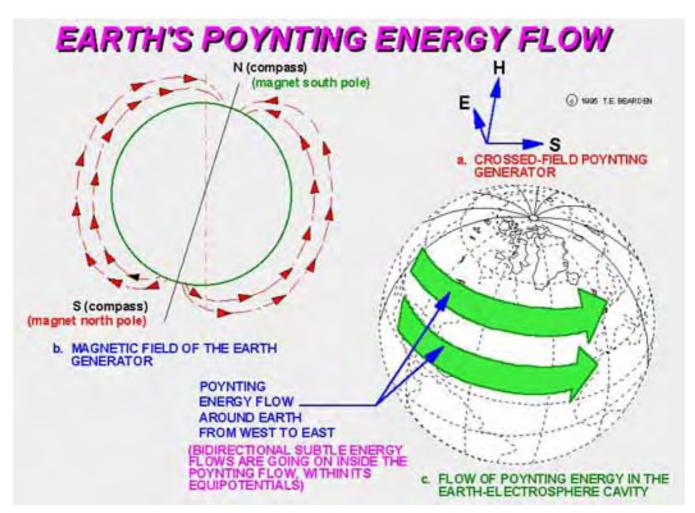
- 1. A Conservative Field Requires a Single-Valued Potential
- 2. Earth-Electrosphere and Earth-Ionosphere Capacitors
- 3. Earth's Poynting Energy Flow
- 4. The Hidden Energy Flow around us
- 5. <u>Electrostatic Fields of the Earth's Electrosphere Capacitor in</u> Fair Weather and Thunderstorms
- 6. Flow of Current and Energy Into, Through, and Along a Conductor
- 7. Energy "collected" on a charge
- 8. Fiber Fuse Effect
- 9. Impact of Vacuum Engineering
- 10. Lawandy's Experiment
- 11. Field may be nonconservative for a multivalued potential
- 12. The Ostrich Problem Part 1
- 13. The Ostrich Problem Part 2
- 14. Russia had Overunity Devices in 1930s
- 15. Energy output of human body
- 16. A "static" Poynting S-flow free-energy generator
- 17. Topology and Energy Conservation
- 18. Block Diagram: Sweet's Vacuum Triode



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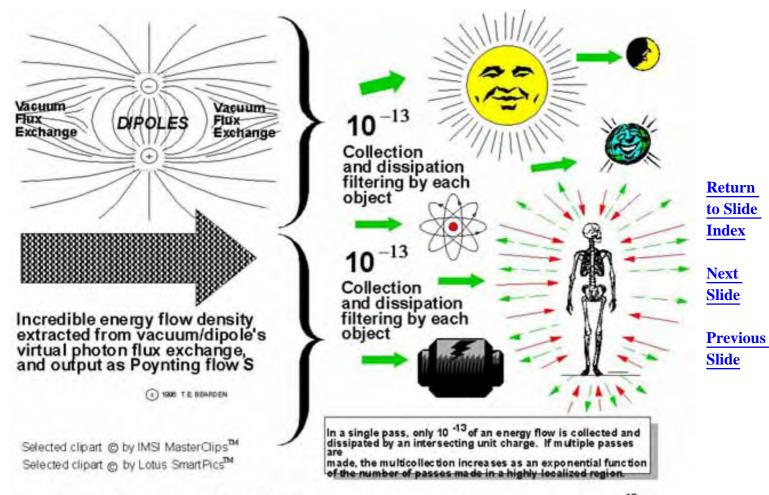
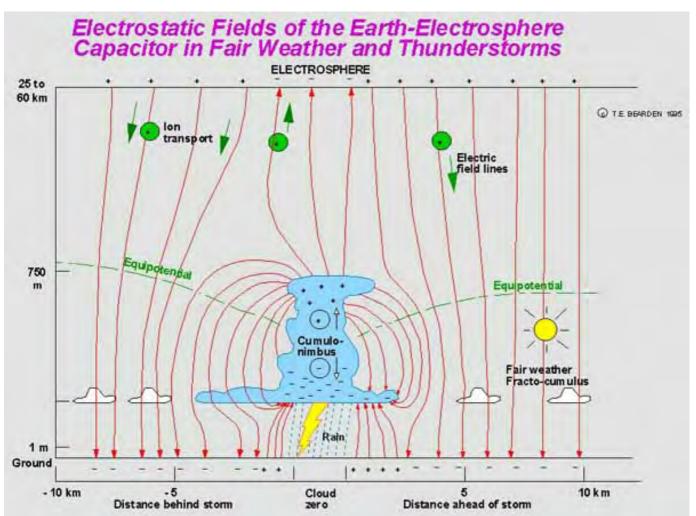
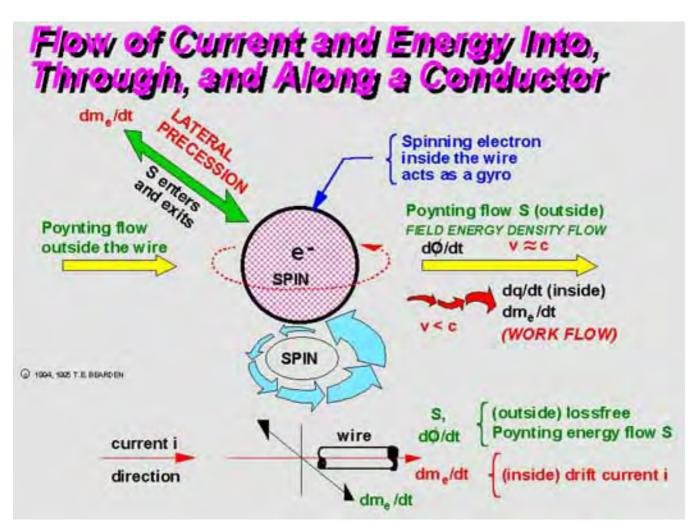


Figure 19. The world of physical matter exists behind a dramatic 10⁻¹³ filter in a fiery cauldron of fierce and primeval EM energy flow.



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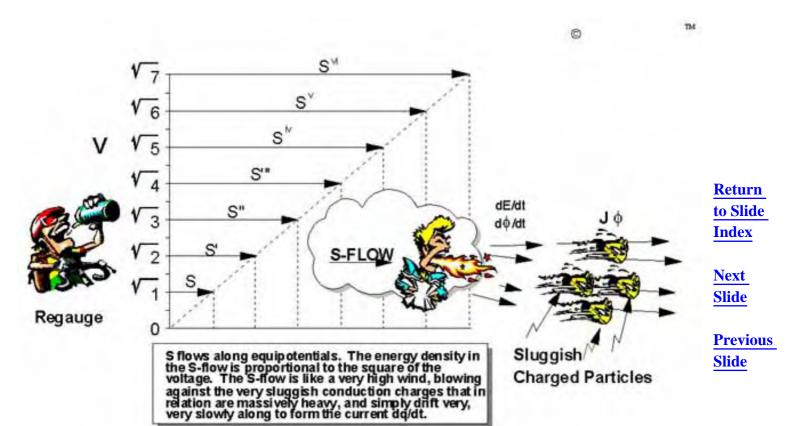
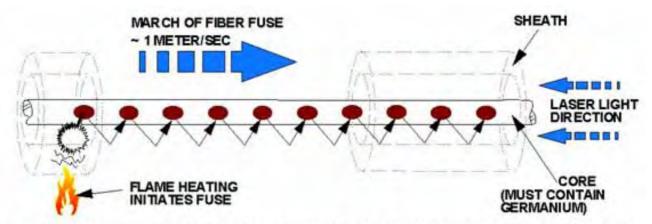
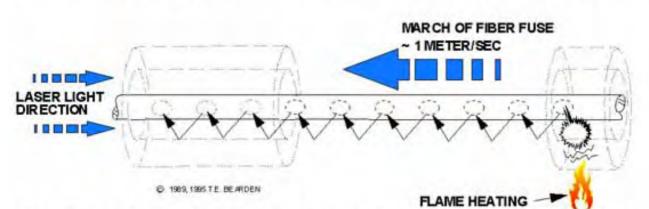


Figure 17. Energy "collected" on a charge depends upon the charge being in a continuous Poynting S-flow. When S ceases, there is no excess energy "collected" on the charge. Energy collection never occurs in chunks, but is always a dynamic, ongoing process.



31A. Fiber fuse destroys core of fiber optics cable of indefinite length, pitting core with holes.



31B. Reversed second fiber fuse often restores pitted core in cable, filling holes back up.

Figure 31. Fiber fuse effect and its strange anomalies.

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Impact of Vacuum Engineering



"If they [quantum fluctuations of vacuum] can be [tapped], the impact upon our civilization will be incalculable. Oil, coal, nuclear, hydropower, would become obsolete - and so would many of our worries about environmental pollution."

 "Don't sell your oil shares yet – but don't be surprised if the world again witnesses the four stages of response to any new and revolutionary development:

-1. It's crazy!

-2. It may be possible -- so what?

-3. I said it was a good idea all along.

–4. I thought of it first."

Arthur C. Clarke "Space Drive: A Fantasy That Could Become Reality"



 Every dipole's broken symmetry in its energetic exchange with the vacuum already freely extracts vacuum energy.

- In power sources, the dipole gates the extracted energy out as S = EXH, which flows almost entirely outside the conductors.

-The circuit interacts with, and uses, only about 10-13 of S. The electrodynamicists calculate only this small S-component.

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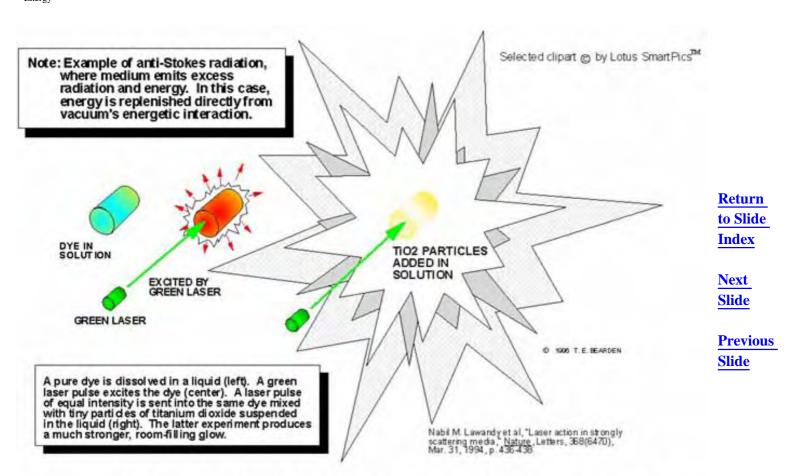
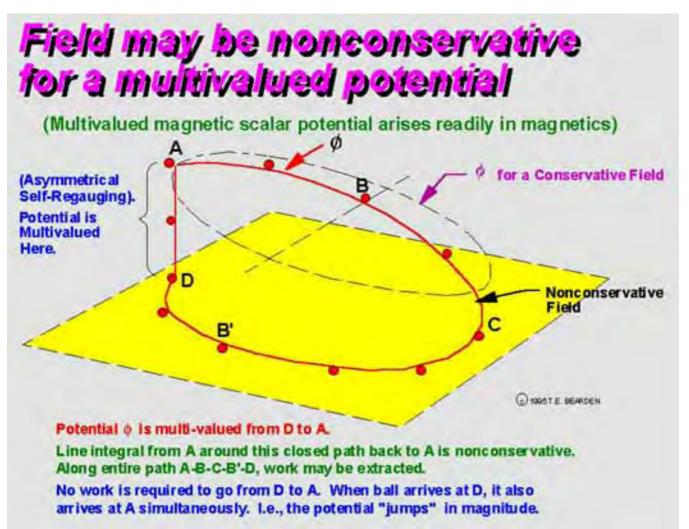


Figure 28. Lawandy's experiment (Letokhov-Lawandy effect) with multipass, multicollection of energy. Formation of a quantum potential can also become involved. Retroreflection and self-targeting are key.



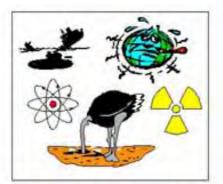
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We're running out of energy! We must redouble our efforts!

Selected clipart ⊚ by IMSI MasterClips™

Figure 33. The only problem is the ostrich problem.



We have to keep polluting the Earth, if we are to have energy!



Actually, a <u>few</u> of our electrical systems already produce all the energy we could ever need! Learn to collect it and use it!

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All our antibiotics are failing! Millions will die from the new age of pandemics and from terrorists' BW attacks!!

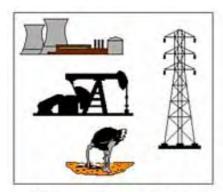


We have to relegate EM effects on biological systems to the trash heap. We can only try to find more drugs and antibiotics.



Actually, Priore already showed how to cure most dread diseases, by making and directing vacuum engines. Becker showed you it worked. Develop it and use it!

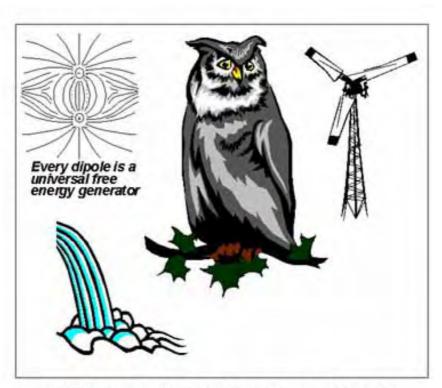
C T.E. BEARDEN 1996



We're running out of energy! We must redouble our efforts!



We have to keep polluting the Earth, if we are to have lots of electrical energy!



Actually, a single one of our large electrical power systems already produces all the free Poynting energy the world could ever need! We just have to learn how to collect more of it and use it without continually destroying the source dipole!

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Figure . The only energy resource problem is the theoretical ostrich problem. We must become theoretical owls, rather than ostriches.

RUSSIAN "SWITCHED PARAMETERS" DEVICES: SELF-OSCILLATING ROTARY GENERATORS*

- Excites oscillations without explicit sources of magnetic or electric forces (i.e., regauges)
 - Periodic variation in system's parameters
 - Experimental and theoretical proof
 - Multiple successful systems made, tested
 - · Papers published in Russian, French journals
- As theory predicts, power continually increases unless load is adjusted to stabilize system
- Several large systems tested to self-destruction
- * Several large stable systems built, tested

"On the parametric excitation of electric oscillations," LI. Mandel'shtam and N.D. Papaleksi, Zh. Tek. Fiz. 4(1), 1934, p. 5-29.

(a) 1994 T.E. BEARDEN

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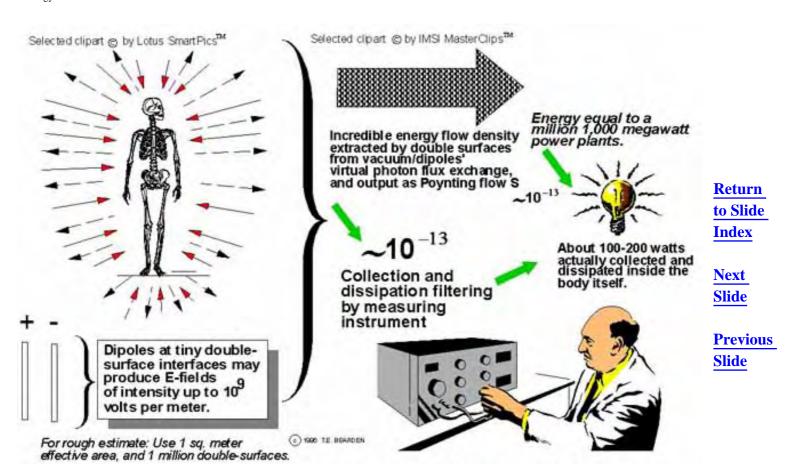


Figure 20. One human body produces more energy flow than all the electrical power loads on earth dissipate. However, only 100-200 watts of its own energy output is collected and dissipated by the body.

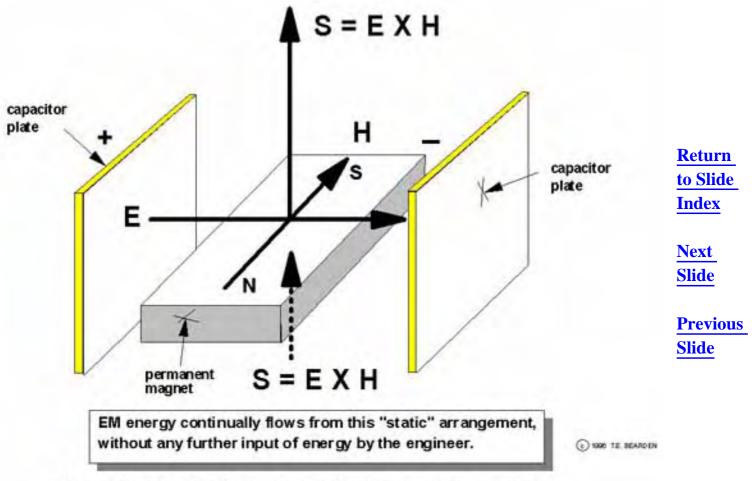
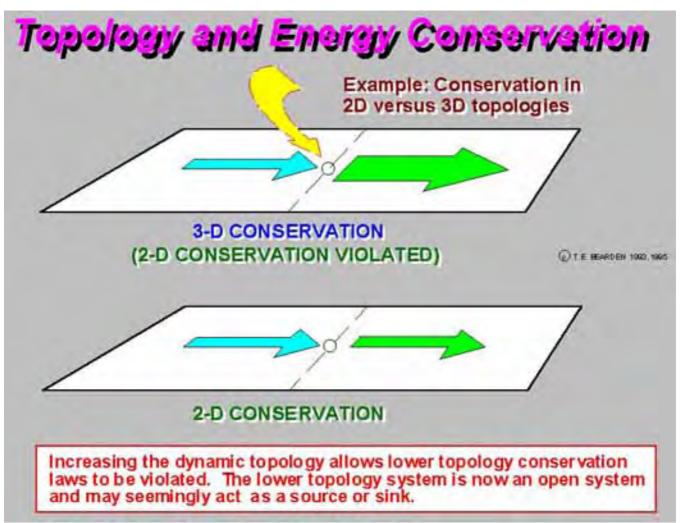


Figure 18. A "static" Poynting S-flow free-energy generator.



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